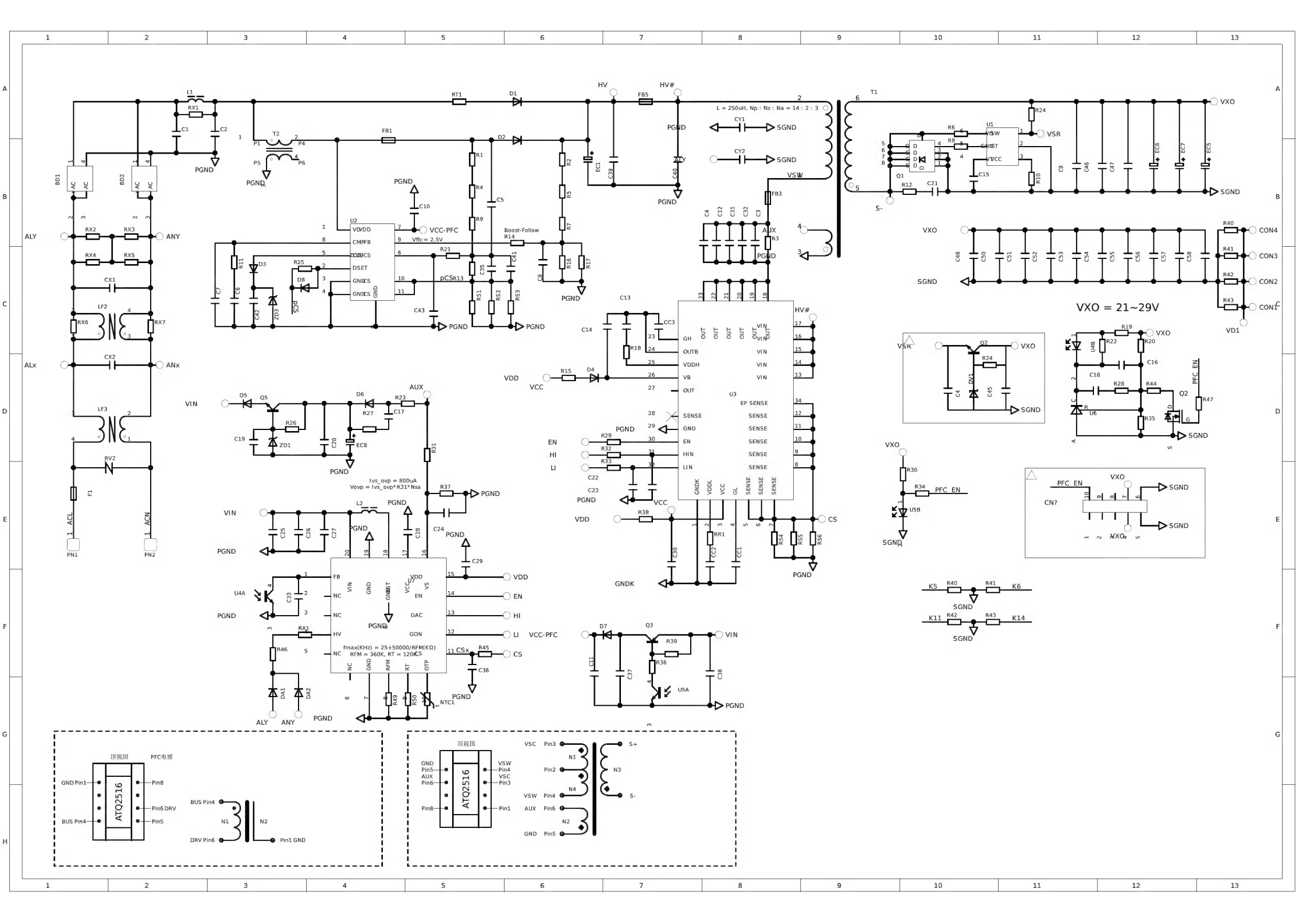
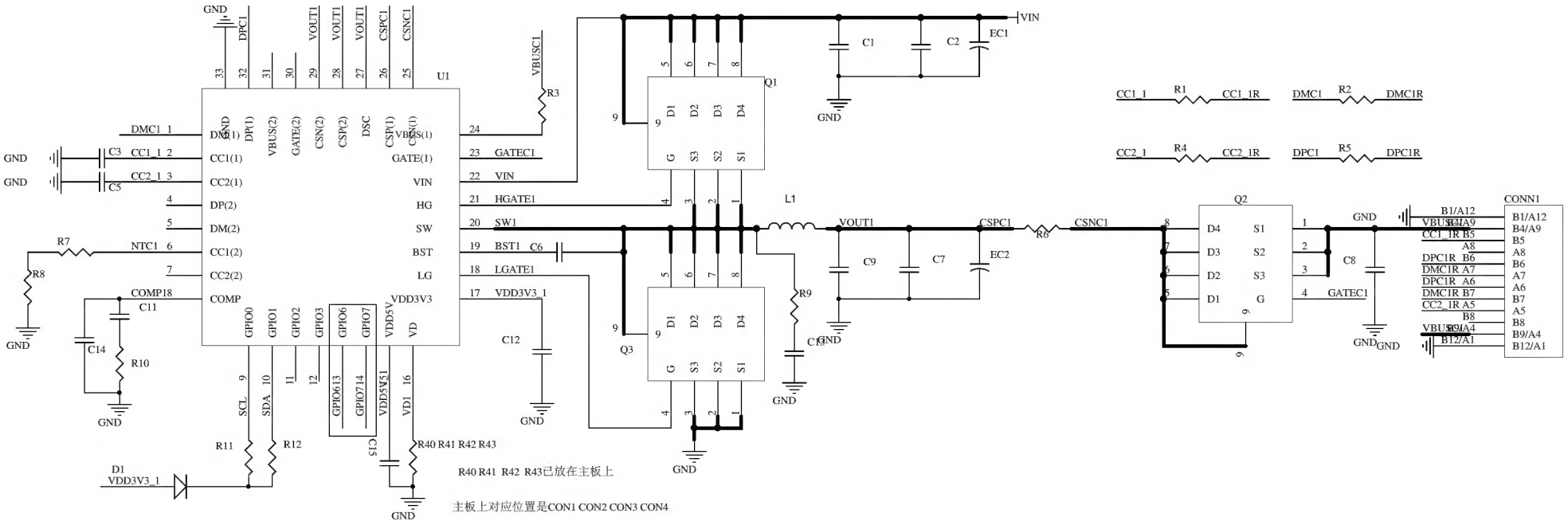
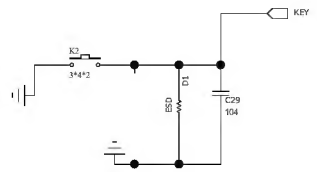
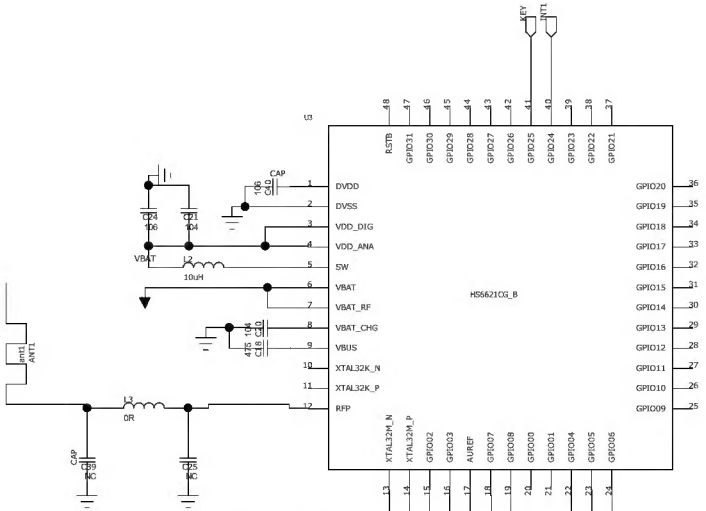

HV
HV#
PGND
SGND
VCC-PFC
VCC
VDD
VIN
AUX
VSW
VSR
VXO
VXO = 21~29V
ALY
ANY
ALx
ANx
ACL
ACN
EN
HI
LI
CS
GNDK
PFC_EN
Boost-Follow
Vfb:= 2.5V
Ivs_ovp = 800uA
Vovp = Ivs_ovp*R31*Nsa
fmax(KHz) = 25+50000/RFM(KΩ)
RFM = 360K, RT = 120K
L = 250uH, Np : Ns : Na = 14 : 2 : 3
ATQ2516
顶视图
PFC电感
GND Pin1
BUS Pin4
Pin8
Pin6 DRV
Pin5
DRV Pin6
Pin1 GND
VSC Pin3
VSW Pin4
AUX Pin6
S+
S-


U1
GND
DPC1
VOUT1
VOUT1
VOUT1
CSPC1
CSNC1
VBUSC1
R3
DMC1
CC1_1
CC2_1
C3
C5
DP(1)
VBUS(2)
GATE(2)
CSN(2)
CSP(2)
DSC
CSP(1)
CSN(1)
CC1(1)
CC2(1)
DP(2)
DM(2)
CC1(2)
CC2(2)
COMP
GATE(1)
VIN
HG
SW
BST
LG
VDD3V3
GATEC1
HGATE1
SW1
BST1
LGATE1
VDD3V3_1
C6
C12
R7
NTC1
R8
C11
C14
R10
GPIO0
GPIO1
GPIO2
GPIO3
GPIO6
GPIO7
VDD5V
VD
SCL
SDA
GPIO613
GPIO714
VDD5V51
VD1
R11
R12
C15
R40 R41 R42 R43
D1
VDD3V3_1
R40 R41 R42 R43已放在主板上
主板上对应位置是CON1 CON2 CON3 CON4
Q1
Q3
D1
D2
D3
D4
G
S3
S2
S1
VIN
C1
C2
EC1
L1
VOUT1
C9
C7
EC2
CSPC1
R6
CSNC1
R9
C13
Q2
D4
S1
D3
S2
D2
S3
D1
G
CC1_1
R1
CC1_1R
DMC1
R2
DMC1R
CC2_1
R4
CC2_1R
DPC1
R5
DPC1R
C8
GATEC1
CONN1
B1/A12
B4/A9
B5
A8
B6
A7
A6
B7
A5
B8
B9/A4
B12/A1

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

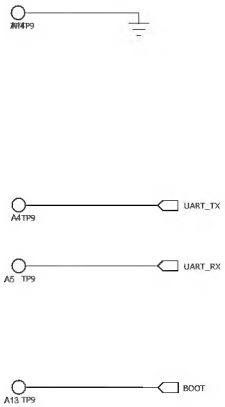


BUTTONS

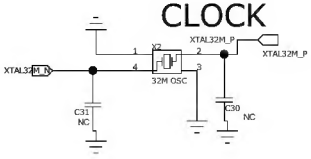


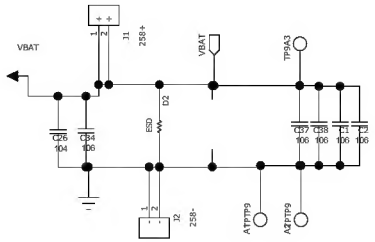
HS6621CG

JLINK&UART

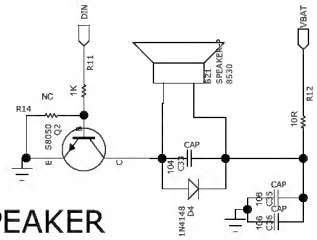


CLOCK

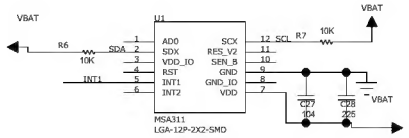




BATTERY



SPEAKER



G-SENSOR

DRAWN:	DATED:	COMPANY:			
CHECKED:	DATED:	TITLE:			
QUALITY CONTROL:	DATED:	CODE:	SIZE: C	DRAWING NO:	REV:
RELEASED:	DATED:	SCALE:		SHEET: 1 OF 1	